

## Estimating 2004 Costs of Production

### WATERMELONS

**Ronald L. Rainey, Extension Economist**  
**Hunter Hauk, Program Technician**  
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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
FERTILIZER	acre	69.06	1.0000	69.06	_____
FUNGICIDE	acre	44.32	1.0000	44.32	_____
INSECTICIDE	acre	25.04	1.0000	25.04	_____
SEED/PLANTS	acre	82.80	1.0000	82.80	_____
OTHER	acre	370.00	1.0000	370.00	_____
OPERATOR LABOR	hour	9.54	4.1699	39.76	_____
HAND LABOR	hour	6.44	3.1349	20.19	_____
DIESEL FUEL	gal	1.05	16.0976	16.92	_____
REPAIR & MAINTENANCE	acre	54.59	1.0000	54.59	_____
INTEREST ON OP. CAP.	acre	9.65	1.0000	9.65	_____
		-----			
<b>TOTAL DIRECT EXPENSES</b>				<b>732.33</b>	_____
<b>TOTAL FIXED EXPENSES</b>				<b>100.64</b>	_____
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<b>TOTAL SPECIFIED EXPENSES</b>				<b>832.97</b>	_____

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University of Arkansas, United States Department of Agriculture and County Governments cooperating

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Table 2. Estimated resource use and costs for field operations per acre, Watermelons  
Arkansas, 2004 (MALTA Project)

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Jan							1.5000	28.77	43.16	43.16
Chisel Plow	9 Ft	2WD 75 hp	0.220	1.00	Feb	1.34	0.96	0.15	0.26	0.22	2.10				4.81
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Feb	1.21	0.87	0.21	0.45	0.19	1.89				4.63
Disk Harrow	10 Ft	2WD 75 hp	0.198	1.00	Mar	1.21	0.87	0.21	0.45	0.19	1.89				4.63
Bd Shaper/LayMelon	Bed 8ftctr	2WD 75 hp	0.808	1.00	Mar	4.95	3.53	1.64	4.64	1.61	12.93				27.69
Plastic Mulch 5ft	4000ft											2.0000	120.00	240.00	240.00
Plntr/H2O Melon	1R 8ftctr	2WD 75 hp	0.645	1.00	Mar	3.95	2.82	0.89	1.44	2.58	18.61				27.71
Watermelon Plants	thous											1.8000	46.00	82.80	82.80
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Apr	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Thiodan 3EC	qt											1.3300	7.86	10.45	10.45
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Apr	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Thiodan 3EC	qt											1.3300	7.86	10.45	10.45
Cultivate+Sidedress	2-Row	2WD 75 hp	0.390	2.00	Apr	4.78	3.41	0.88	2.33	1.17	9.97				21.37
Amm Nitrate (34%)	cwt											2.0000	12.95	25.90	25.90
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	May	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Bravo Weather Stick	pt											2.0000	5.36	10.72	10.72
Quadris	oz											11.0000	2.08	22.88	22.88
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	May	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Bravo Weather Stick	pt											2.0000	5.36	10.72	10.72
Sprayer Air Blast	16' spray	2WD 75 hp	0.245	1.00	Jun	1.51	1.07	8.39	14.56	0.24	2.34				27.87
Asana XL	oz											6.0000	0.69	4.14	4.14
Trailer - Vegetables		2WD 75 hp	0.090	1.00	Jun	0.55	0.39	0.04	0.07	0.09	0.86				1.91
Harvest Melons	cwt											100.0000	1.05	105.00	105.00
Hauling	trip			1.00	Jun							1.0000	25.00	25.00	25.00
TOTALS						25.54	18.20	45.97	82.44	7.30	59.95			591.22	823.32
INTEREST ON OPERATING CAPITAL															9.65
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															832.97

Note: Cost of production estimates are based on last year's input prices.

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

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